

INTERNATIONAL SEARCH REPORT

Int. Application No.

PCT/JP 03/03359

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C21D1/19 C22C38/14

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C21D C22C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 527 276 A (NIPPON KOKAN KK) 17 February 1993 (1993-02-17) cited in the application	
A	US 6 080 247 A (ARNETT CHARLES R ET AL) 27 June 2000 (2000-06-27)	
A	US 5 393 358 A (SHIKANAI NOBUO ET AL) 28 February 1995 (1995-02-28) cited in the application	
A	US 5 108 518 A (FUKUI KIYOSHI ET AL) 28 April 1992 (1992-04-28)	
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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- *A* document defining the general state of the art which is not considered to be of particular relevance
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- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
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Date of the actual completion of the international search

22 April 2004

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03/05/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>PATENT ABSTRACTS OF JAPAN vol. 1998, no. 01, 30 January 1998 (1998-01-30) & JP 09 249935 A (SUMITOMO METAL IND LTD), 22 September 1997 (1997-09-22) abstract</p> <p>-----</p>	

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